

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/051844A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 HO1M2/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 HO1G HO1M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category <sup>o</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 03/073534 A (CREAVIS GESELLSCHAFT FUER TECHNOLOGIE UND INNOVATION MBH; HENNIGE, VOL) 4 September 2003 (2003-09-04) page 1, paragraph 1 - paragraph 2 page 2, paragraph 2 - page 3, paragraph 1 page 4, line 1 - line 12 page 6, line 1 - line 10 page 9, paragraph 1 example 1 page 10, line 1 - page 12, line 2 page 12, paragraph 1 - page 18, paragraph 6 page 19, paragraphs 3,4 claims 1-32</p> <p>-----</p> <p>-/-</p>	1-23

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the International search

Date of mailing of the International search report

14 October 2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 99/15262 A (CREAVIS GESELLSCHAFT FUER TECHNOLOGIE UND INNOVATION MBH; PENTH, BERND) 1 April 1999 (1999-04-01)</p> <p>cited in the application</p> <p>page 1, line 4 - line 18</p> <p>page 3, line 11 - line 15</p> <p>page 5, line 8 - line 14</p> <p>page 6, line 18 - line 22</p> <p>page 7, line 10 - page 8, line 1</p>	1-23
A	<p>WO 00/38263 A (FINECELL CO., LTD; JANG, DONG, HUN; KIM, SA, HEUM; KIM, HAN, JUN; HONG) 29 June 2000 (2000-06-29)</p> <p>page 1, paragraph 1</p> <p>page 8, line 1 - line 8</p> <p>page 8, line 22 - page 10, line 6</p> <p>page 11, line 13 - line 26</p>	1-23
A	<p>US 2002/122986 A1 (LABARGE WILLIAM J ET AL) 5 September 2002 (2002-09-05)</p> <p>paragraphs '0012!, '0013!</p> <p>claims 1,9</p>	1-23

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP2004/051844

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
WO 03073534	A 04-09-2003	AU 2003210159	A1	09-09-2003	
		CA 2477062	A1	04-09-2003	
		CN 1639887	A	13-07-2005	
		DE 10208277	A1	04-09-2003	
		EP 1509960	A2	02-03-2005	
		US 2005084761	A1	21-04-2005	
WO 9915262	A 01-04-1999	AT 284756	T	15-01-2005	
		AT 297247	T	15-06-2005	
		CA 2272310	A1	01-04-1999	
		CA 2272312	A1	01-04-1999	
		CA 2272314	A1	01-04-1999	
		CA 2272318	A1	01-04-1999	
		WO 9915260	A1	01-04-1999	
		WO 9915272	A1	01-04-1999	
		WO 9915257	A1	01-04-1999	
		EP 0951355	A1	27-10-1999	
		EP 0959981	A1	01-12-1999	
		EP 0939669	A1	08-09-1999	
		EP 0946270	A1	06-10-1999	
		NO 992432	A	12-07-1999	
		NO 992433	A	12-07-1999	
		NO 992434	A	12-07-1999	
		NO 992435	A	12-07-1999	
		US 6309545	B1	30-10-2001	
		US 6299778	B1	09-10-2001	
		US 6340379	B1	22-01-2002	
		US 6299668	B1	09-10-2001	
WO 0038263	A 29-06-2000	CN 1331848	A	16-01-2002	
		EP 1171927	A1	16-01-2002	
		JP 2002543554	T	17-12-2002	
		KR 2000041210	A	15-07-2000	
US 2002122986	A1 05-09-2002	NONE			